

BORDER REV. DATE: June 1, 2004

DRILL HOLES

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BY: amym

MD 7 IS ASSUMED TO RUN  
IN AN EAST-WEST DIRECTION

11,13,15,18  
NO  
TURN  
ON RED  
R3-5  
(30"x30")

### PROPOSED SIGNS

12a 12b  
Rosedale AVE → ← Rosedale AVE  
D-3(1)  
(VAR. x16") D-3(1)  
(VAR. x16")  
14a 14b  
Hamilton AVE → ← Hamilton AVE  
D-3(1)  
(VAR. x16") D-3(1)  
(VAR. x16")

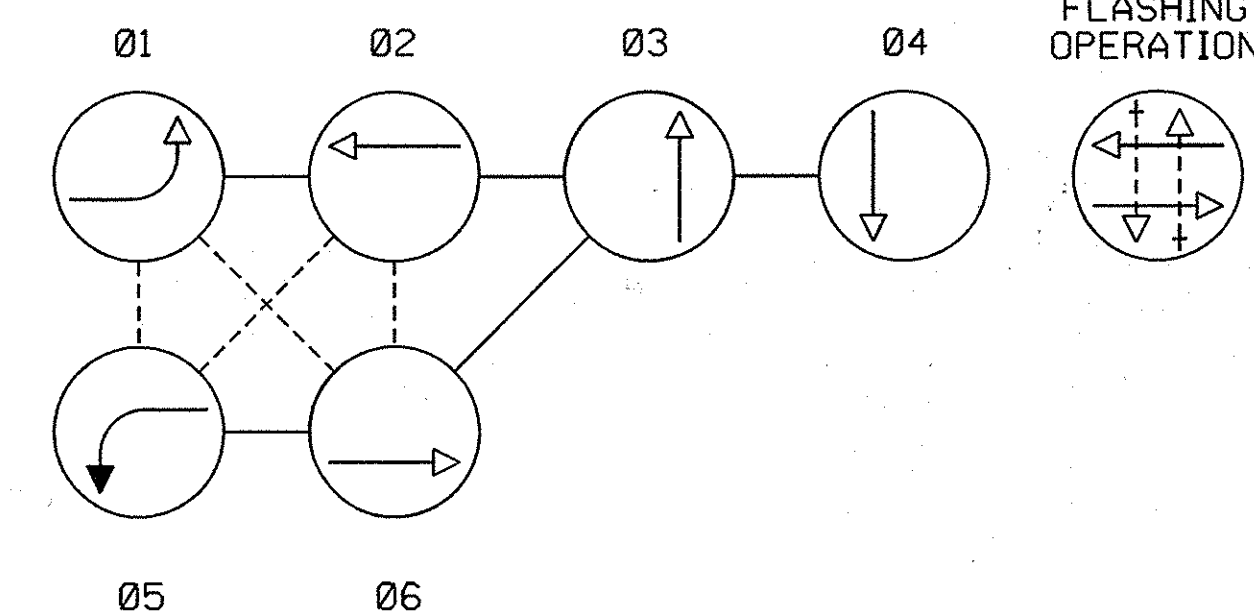
16,17  
Philadelphia RD  
D-3(2)  
(VAR. x16")  
DUAL FACE

### PROPOSED LED SIGNAL HEADS

1,3 2,4,7,10 5,8 6,9  
12" 12" 12"/8" 12"

b,c  
PROPOSED VIDEO DETECTOR CAMERA  
a,d  
EXISTING VIDEO DETECTOR CAMERA  
VIDEO CAMERA  
DETECTOR ZONE  
M  
METERED SERVICE PEDESTAL  
DETECTABLE WARNING SURFACE

### NEMA PHASING



### PHASING NOTES

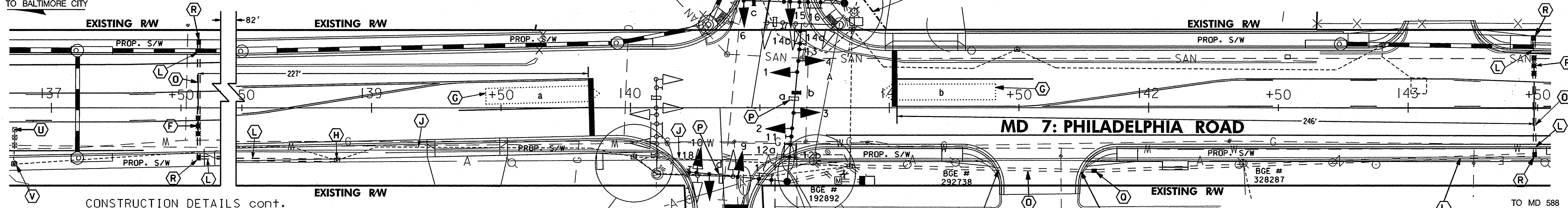
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NOTE:  
SEE DIMENSION DIAGRAM ON GENERAL INFORMATION  
SHEET FOR POLE, AND SIGNAL HEAD DIMENSIONS.

### CONSTRUCTION DETAILS

- INSTALL 27' STEEL POLE (CUT TO 21') WITH 50' (CUT TO 40') MAST ARM WITH SIGNAL HEADS, SIGNS, VIDEO DETECTOR CAMERA, AND 20' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1-3" PVC BEND).
- INSTALL 27' STEEL POLE (CUT TO 21') WITH TWIN 50' (CUT TO 38') X 60' MAST ARMS WITH SIGNAL HEADS, SIGNS, AND VIDEO DETECTOR CAMERAS (NOTE: 1-3" PVC BEND). RAISE POLE FOUNDATION TO GRADE AT TOP OF CURB.
- ROTATE THE FOUNDATION SO THE MAST ARM ACROSS ROSEDALE AVE. AIMS TOWARD THE EXISTING SIGNAL POLE ON SOUTHWEST CORNER. SET THE MAST ARM AT TIME OF SIGNAL TURN ON.
- INSTALL 4" SCHEDULE 80 RIGID PVC TRENCHED FOR INSTALLATION OF SERVICE BY BGE POLE #192892. PROVIDE A 1' STUB AT POLE BASE WITH A PULL STRING.
- INSTALL METERED SERVICE PEDESTAL (NOTE: 1-4" AND 2-2" 90° PVC BENDS).
- INSTALL A SIZE "6" BASE-MOUNTED CABINET WITH NEMA CONTROLLER AND ALL NECESSARY EQUIPMENT (NOTE: 2-4" PVC AND 2-2" PVC BENDS).

TO BALTIMORE CITY



### CONSTRUCTION DETAILS cont.

- INSTALL NON-INVASIVE MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE (TO BE PLACED IN THRU LANE ONLY).
- VIDEO DETECTOR ZONE.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 2" SCHEDULE 80 RIGID PVC - TRENCHED.
- INSTALL 3" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- INSTALL 4" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- REMOVE EXISTING VIDEO CAMERA ON EXISTING MAST ARM. REUSE AND RELOCATE CAMERA TO PROPOSED MAST ARM.
- INSTALL HANDHOLE.
- INSTALL HANDHOLE PRIOR TO FINAL SIDEWALK POUR.
- REMOVE EXISTING CONTROLLER AND CABINET.
- REMOVE EXISTING POLE, MAST ARM, ALL ATTACHED EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE AND BACKFILL.
- DISCONNECT AND ABANDON EXISTING PROBES/ LOOP DETECTORS.
- REMOVE EXISTING HANDHOLE, CAP AND ABANDON EXISTING CONDUIT.

### GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

### AERIAL CABLE DETAIL

HOUSE SERVICE 27' 3"  
TELEPHONE 23' 4"  
GRADE

### AERIAL CABLE DETAIL

PRIMARY 36' +  
SECONDARY 33' 6"  
TENSION 32' 4"  
CABLE 27' 0"  
COMM. 26' 0"  
TELEPHONE 24' 4"  
GRADE

GREEN LINE NO. 3, TRAFFIC  
REPLACE SHEET NO. 162  
DATE: OCTOBER 6, 2008

### GENERAL NOTES cont.

- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SIGNAL OPERATION DURING THE COMPLETE CONSTRUCTION PERIOD.
- CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL NAVIGATOR UNIT FOR THE CONTROLLER TO THE SHA SIGNAL SHOP AT 7491 CONNELLEY DR., HANOVER, MD 21076. MR EDWARD ROSENHIZER AT (410) 787-7652 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MR. ROBERT SMITH, OOTS, AT (410) 787-7631 TO ARRANGE PHONE DROP. THE CONTRACTOR SHALL PROVIDE SEVENTY-TWO (72) HOURS NOTICE PRIOR TO COMPLETION OF THE PROJECT AND SHALL PROVIDE THE NEAREST ADDRESS.

**CENTURY**  
ENGINEERING  
CONSULTING ENGINEERS - PLANNERS  
10710 GILROY ROAD  
HUNT VALLEY, MD 21031

**T3**  
design  
T3 DESIGN, P.C.  
3927 OLD LEE HWY  
SUITE 101-C  
FAIRFAX, VA 22030  
PHONE: 703-359-5861  
www.t3design.us

### UTILITY LEGEND

SD SD STORM DRAIN  
G G GAS MAIN  
W W WATER MAIN  
S S SEWER MAIN  
E E ELECTRIC CABLES  
A A AERIAL CABLES  
T T TELEPHONE CABLES  
F F FIBER-OPTIC

### APPROVALS

TEAM LEADER  
ASSIST. DIR. CHIEF  
DIVISION CHIEF  
OFFICE DIRECTOR

### REVISIONS

10-11-06  
RECONSTRUCT TO MAST ARMS, ADD VIDEO  
CAMERAS & VIDEO DET. SHA NO. BA6885185  
WMD AJM  
3-14-05  
ADD EXCLUSIVE PERMISSIVE LT. PHASE  
TO EB MD7.  
MAM DD DAZ BK BRK

### TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 12/22/08 CONTRACT NO. BA618AR1251

DESIGNED BY COUNTY BALTIMORE  
DRAWN BY STEVE RENZI LOGMILE 03000700.66  
CHECKED BY T.I.M.S. NO. F189  
F.A.P. NO. TOD NO.

DRAWING NO. TS-1653D SG-1 OF 9 SHEET NO. 162 OF

PLOTTED: Monday, October 06, 2008 AT 04:27 PM  
FILE: Y:\06-0020 Century Engineering-MD SHA\Task 1 MD 7\CADD\6 Green Line 3 Plans\SSG-P001\_MD7.dgn